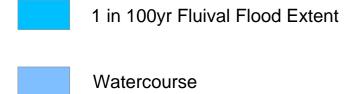


Key to Plan

Benefiting Lands



Channel Centreline Reference (C06) and Chainage (300m)



Notes:

Do not scale from drawing.

Proposed works geometry and extents are subject to detailed design.

This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Exhibition Drawings and Schedules.

Scale 1:5,000 at A3

Drg. No. RB_105 Existing Flood Extents and Proposed Flood Benefit Area (Sheet 2 of 2)



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Proposed Flood Defences - Restrictions

Proposed Flood Defence	Restrictions
Flood Defence Embankments	Flood defence embankments shall not be tilled or planted with any vegetation other than grass.
	Permanent access to be provided for maintenance and inspection of the flood defence embankments - refer to proposed access and work area drawings RB_501 and RB_502.
	Flood defence embankments to be regularly maintained through frequent grass cutting (approximately four times per year).
	Non-authorised vehicular or pedestrian access on flood defence embankments shall not be permitted.
	Flood defence embankments shall not be grazed by lifestock other than sheep due to the potential risk of rutting or causing damage to the embankments.
	No works shall be permitted in close proximity to flood defence embankments without approval from the Office of Public Works (OPW).
Flood Defence Walls	Permanent access to be provided for maintenance and inspection of flood defence walls - refer to proposed access and work area drawings RB_501 and RB_502. No works shall be carried out to flood defence walls or in close proximity to flood defence walls without approval from the Office of Public Works (OPW). No excavation of material close to flood defence walls shall be permitted without the approval of the Office of Public Works (OPW).
Dumning Stations	
Pumping Stations	Permanent access to be provided for maintenance and inspection of pumping stations - refer to proposed access and work area drawings RB_501 and RB_502. No works shall be carried out near pumping stations or in close proximity to the pumping stations without approval from the Office of Public Works (OPW)
	No local connections or drains shall be connected to a pumping station without approval from the Office of Public Works (OPW).
	No vegetation, material or detritus shall be disposed of within the channel, as this may increase the risk of blockage at pumping stations.
Bridges	Permanent access to be provided for maintenance and inspection of bridges - refer to proposed access and work area drawings RB_501 and RB_502.
	No works shall be carried out to bridges or in close proximity to bridges without approval from the Office of Public Works (OPW).
	No vegetation, material or detritus shall be disposed of within the channel, as this may increase the risk of blockage at bridges.
Culverts	No local connections or drains shall be connected to culverts without approval from the Office of Public Works (OPW).
	No works shall be carried out to culverts or in close proximity to culverts without approval from the Office of Public Works (OPW).
	No vegetation, material or detritus shall be disposed of within the channel, as this may increase the risk of blockage within culverts.
Winter Channel	No works shall be carried out to the winter channel or in close proximity to the winter channel without approval from the Office of Public Works (OPW).
	No vegetation, material or detritus shall be disposed of within the winter channel, as this may reduce the capacity of the channel.
Sediment Trap	No works shall be carried out to the sediment trap or in close proximity to the sediment trap without approval from the Office of Public Works (OPW).
Regraded Ground	No works shall be carried out to regraded ground, such as road resurfacing, without approval of the Office of Public Works (OPW).
Trash Screens	No works shall be carried out to the trash screens or in close proximity to the trashscreens without approval from the Office of Public Works (OPW).

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River Bride (Blackpool) Certified Drainage Scheme Kilnap Bridge C08_R02 C08_E01 CProposed flood defence embankment to tie into high ground Woodpark Formalise existing track for maintenance vehicle Proposed flood defence embankment to tie into high ground C08_R02 Gateway Business Park North Point Business Park For Continuation C08_R01 See Drg. No. RB_202

Scale 1:1,000 at A1 Location Plan Scale 1:2,000 at A3

Channel Centreline, Reference (C08) and

Location and Reference of Cross Section

Photomontage (Location, Orientation and No.)

Watercourse

Chainage (300m)

Interference Reference.

Proposed Works Chainage (m)

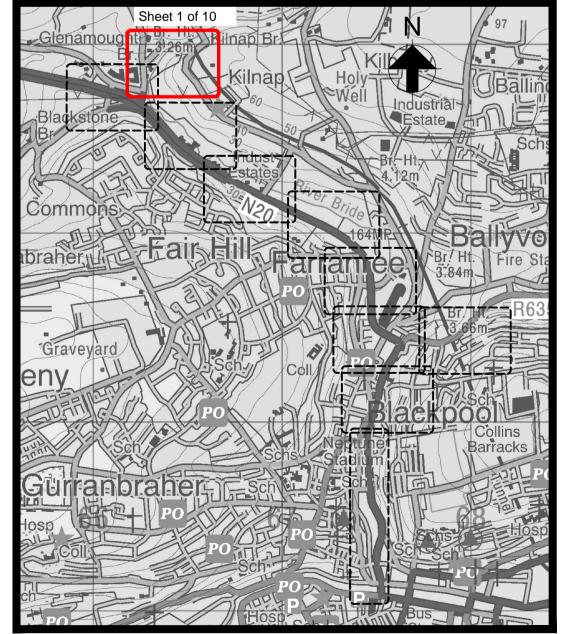
Proposed Roughing Screen

Key to Plan

C08_300

C08_B01

50



Key Plan

Scale 1:20,000 at A1 Scale 1:40,000 at A3

Proposed New Bridge

Proposed Flood Defence Embankment

Proposed Regrading of Ground Levels

Proposed Surface Water Overland Flow

Formalise Existing Access Track

A A A

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Issued for Exhibition November 2015

Interference Reference	Channel Chainage (m)	Proposed Works Chainage (m)	General Description of Proposed Works
C08_B01	-	0 to 8	Replace existing masonry bridge with a new reinforced concrete bridge. Bridge to be of 10.50m clear span and 8m wide deck. Construct new access ramps to bridge, incorporating new reinforced concrete retaining walls where necessary.
C08_E01	-	0 to 137	Proposed flood defence embankment to be constructed typically 5.40m wide and to a height of 1.10m above existing ground levels to flood defence level (varies from 27.01 to 28.44mOD). Flood defence embankment to tie into high ground at each end.
C08_R01	-	0 to 47	Proposed surface water drainage measures and regrading of local ground levels to divert excess surface water runoff into the River Glenamought upstream of North Point Business Park bridge.
C08_G01	0 to 517	-	Channel to be maintained over a distance of 517m from the confluence of the River Glenamought and River Bride (C08-000) to upstream of the proposed roughing screen (C08-517).
C08_T01	510	-	Proposed roughing screen to be installed downstream of Kilnap Bridge.
C08_R02	-	0 to 273	Proposed ramp to facilitate maintenance access to the channel and proposed roughing screen. Formalise existing track for maintenance vehicles, including constructing guard barriers where necessary.

- 1. Do not scale from drawing.
- Proposed works geometry and extents are subject to detailed design.
- This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Exhibition Drawings and Schedules.

Drg. No. RB_201 Proposed Flood Defences - Plan Layout (Sheet 1 of 10)









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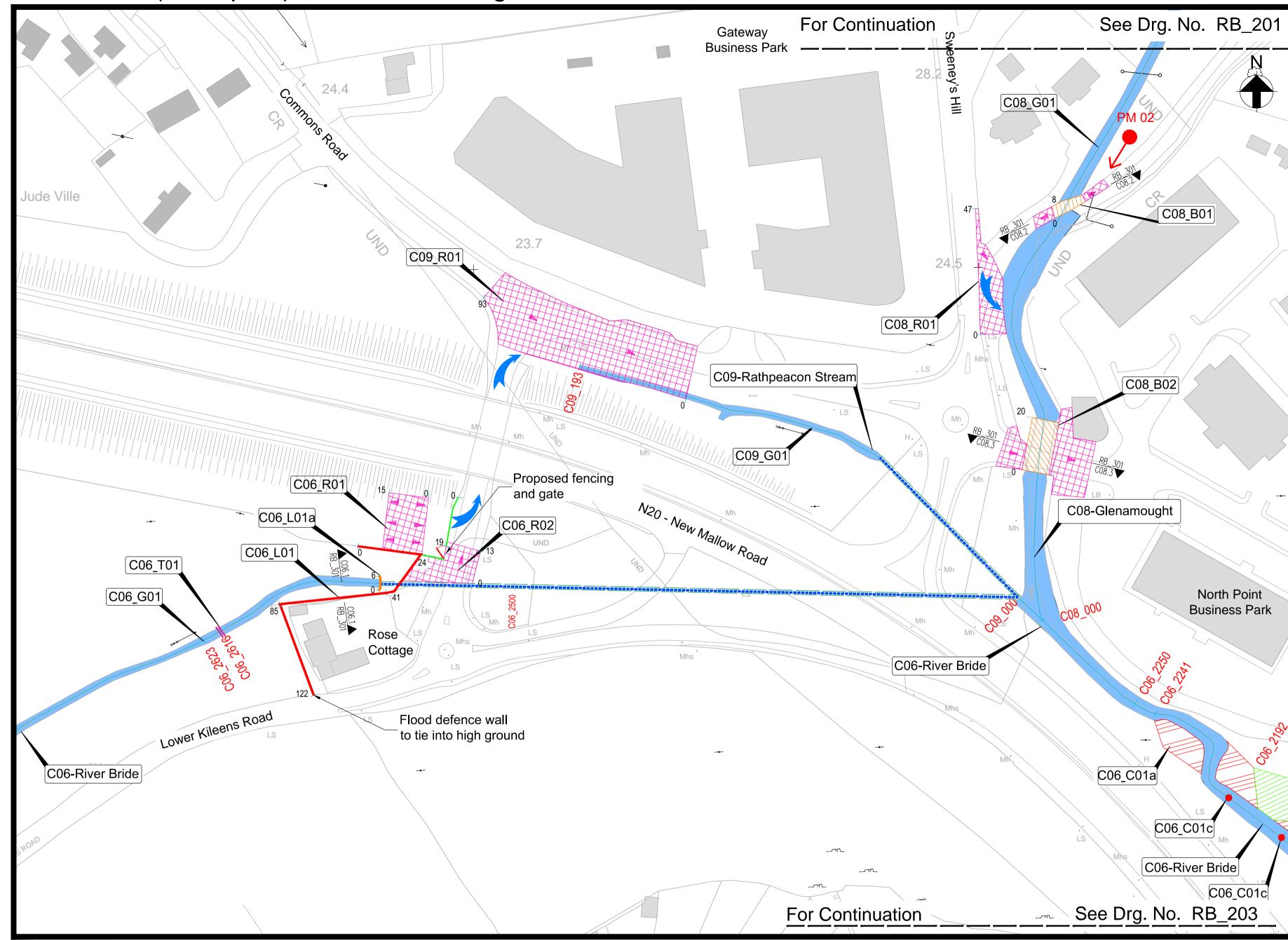
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River Bride (Blackpool) Certified Drainage Scheme



Location Plan

Scale 1:1,000 at A1 Scale 1:2,000 at A1

Key to Plan Watercourse Existing Culvert to be Retained ____ Channel Centreline, Reference (C08) and Proposed Regrading of Ground Levels C08_300 Chainage (300m) Proposed Retaining Wall Photomontage (Location, Orientation and No.) Proposed Vehicle Access Gate Proposed Flood Defence Wall Proposed Fencing C06_L01 Interference Reference Proposed Surface Water Overland Flow Route RB_301 RB_301 C08.1 Location and Reference of Cross Section Provisionally Proposed Sediment Trap Proposed Works Chainage (m) (Flood Plain Reprofiling) Proposed New Bridge Provisionally Proposed Landscaping Proposed Roughing Screen Provisionally Proposed Geomorphic Features (Riffles)

Issued for Exhibition November 2015

Interference Reference	Channel Chainage (m)	Proposed Works Chainage (m)	General Description of Proposed Works
C06_T01	2616	-	Existing 2 no. trash screens to be removed and replaced with a single new roughing screen upstream of Rose Cottage.
C06_L01	-	0 to 41	Proposed reinforced concrete wall to be constructed to a height typically 0.65m above existing ground levels to flood defence level (25.00mOD). All drainage outfalls to be fitted with non-return valves.
C06_L01	-	41 to 122	Proposed reinforced concrete wall to be constructed above flood defence level (25.00mOD) to 25.80mOD on the wet side of the existing boundary wall at Rose Cottage. Flood wall to tie into high ground at each end. Finished wall height to be typically 1.70m above existing ground levels. All drainage outfalls to be fitted with non-return valves.
C06_L01a	-	0 to 6	Proposed reinforced concrete headwall and wing wall structure to be constructed around the existing concrete culvert inlet.
C06_R01	-	0 to 15	Proposed vehicle access ramp crest to be at flood defence level (25.00mOD). Proposed ramp to tie into the proposed flood defence wall at Rose Cottage and high ground at the N20 road embankment.
C09_R01	-	0 to 93	Proposed surface water drainage measures and regrading of local ground levels to divert excess surface water runoff from the Commons Road and the River Bride (from Rose Cottage) into the Rathpeacon Stream.
C06_R02	-	0 to 13	Proposed regrading of existing ground levels to divert surface water overland flow (during a design exceedance event) underneath the existing N20 road bridge to the Rathpeacon Stream.
C08_B01	-	0 to 8	Replace existing masonry bridge with a new reinforced concrete bridge. Bridge to be of 10.50m clear span and 8m wide deck. Construct new access ramps to bridge, incorporating new reinforced concrete retaining walls where necessary.
C08_R01	-	0 to 47	Proposed surface water drainage measures and regrading of local ground levels to divert excess surface water runoff from Sweeney's Hill into the River Glenamought upstream of North Point Business Park bridge.
C08_B02	-	0 to 20	Replace existing pipe culvert bridge with a new reinforced concrete bridge. Bridge to be of 9.00m clear span and 20m wide deck. Construct new access ramps to bridge, incorporating new reinforced concrete retaining walls where necessary.
C06_C01a	2077 to 2241	-	Provisionally proposed sediment trap. Proposed flood scalping and lowering on the inside channel bends to create a second stage channel to reduce velocities in lower order floods.
C06_C01b	2124 to 2192	-	Provisionally proposed landscaping to deposition areas to match existing ground.
C06_C01c	2071 to 2192	-	Provisionally proposed geomorphic features, such as riffles, to be constructed within the channel.
C08_G01	0 to 517	-	Channel to be maintained over a distance of 517m from the confluence of the River Glenamought and River Bride (C08_000) to upstream of the proposed roughing screen (C08_517).
C06_G01	0 to 2623	-	Channel to be maintained over a distance of 2623m from Blackpool Church (C06_000) to upstream of Rose Cottage (C06_2623).
C09_G01	0 to 193	-	Channel to be maintained over a distance of 193m from C09_000 to C09_193.

- Do not scale from drawing.
- 2. Proposed works geometry and extents are subject to detailed design.
 - This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Exhibition Drawings and

Drg. No. RB_202 Proposed Flood Defences - Plan Layout (Sheet 2 of 10)











County Hall, Carrigrohane Road,

Scale 1:20,000 at A1 Scale 1:40,000 at A3

Key Plan

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